

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/10331

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F16L37/252

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 770 809 A (SAKURA RUBBER) 2 May 1997 (1997-05-02) column 1, line 3 -column 10, line 8; claims 1-3,6,8,9,11; figures	1-5
Y	---	7
X	DE 17 38 434 U (MAX WIEDENMANN ARMATURENFABRIK) 24 January 1957 (1957-01-24) the whole document	1
Y	---	7
X	DE 380 786 C (MICHAEL ECKERT) 11 September 1923 (1923-09-11) the whole document	1,2,4
X	US 3 201 151 A (WESTVEER ROBERT C) 17 August 1965 (1965-08-17) figures 1,3	1,2

	-/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

8 January 2004

Date of mailing of the international search report

22/01/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 03 074922 A (ISO MASA AKI ; SAKURA RUBBER (JP); YUDA KAZUHIRO (JP); HORIMOTO AKIR) 12 September 2003 (2003-09-12) figures	1, 2, 4, 5

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Information on patent family members

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